

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (cancelled).

Claim 14. (new): A purified human nucleic acid sequence encoding an alpha subunit of a sodium channel, wherein said nucleic sequence comprises SEQ ID NO: 400, SEQ ID NO: 401, SEQ ID NO: 402, SEQ ID NO: 403, SEQ ID NO: 404, SEQ ID NO: 405, SEQ ID NO: 406, or SEQ ID NO: 407, or a fragment, functional derivative or allelic variant thereof.

Claim 15. (new): The nucleic acid sequence of claim 14, wherein said alpha subunit comprises a nucleic acid sequence comprising SEQ ID NO: 65, SEQ ID NO: 66, SEQ ID NO: 69, SEQ ID NO: 70, SEQ ID NO: 71, SEQ ID NO: 72, SEQ ID NO: 73, SEQ ID NO: 74, SEQ ID NO: 75, SEQ ID NO: 76, SEQ ID NO: 77, SEQ ID NO: 78, SEQ ID NO: 79, SEQ ID NO: 80, SEQ ID NO: 81, SEQ ID NO: 82, SEQ ID NO: 83, SEQ ID NO: 84, SEQ ID NO: 85, SEQ ID NO: 86, SEQ ID NO: 87, SEQ ID NO: 88, SEQ ID NO: 89, SEQ ID NO: 90, SEQ ID NO: 91, SEQ ID NO: 92, SEQ ID NO: 93, SEQ ID NO: 94, SEQ ID NO: 95, SEQ ID NO: 96, SEQ ID NO: 97, or SEQ ID NO: 98, or a fragment, functional derivative or allelic variant thereof.

Claim 16. (new): A purified human nucleic acid sequence encoding an alpha subunit of a sodium channel, wherein said nucleic acid sequence encodes an amino acid sequence comprising SEQ ID NO: 67 or SEQ ID NO: 68, or a fragment, functional derivative or allelic variant thereof.

Claim 17. (new): A vector comprising any one of the sequences of claim 14.

Claim 18. (new): A vector comprising any one of the sequences of claim 15.

Claim 19. (new): A vector comprising any one of the sequences of claim 16.

Claim 20. (new): A cell harboring a vector of claim 17.

Claim 21. (new): A cell harboring a vector of claim 18.

Claim 22. (new): A cell harboring a vector of claim 19.